Gantt Chart of Work Plan

Project Title: Technology development, management, and long-term monitoring of shifting cultivation, coal mining, landslide, and alien plant invasion at landscape level in north-eastern India

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S. No	Activities	1st Year				2nd Year				3rd Year			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
A. Shifting cultivation													
1.	Long term ecological monitoring of shifting cultivation areas using imageries and GIS along temporal and spatial scale												
2.	Monitoring the cropping patterns and practices in time and space												
3.	Monitoring biodiversity in shifting cultivation in temporal and spatial scale												
4.	Development of Site specific land use models through application of appropriate technologies with active participations of the farmers as an alternative shifting cultivation.												
5.	Monitoring ecosystem services as an indicator of recovery of ecosystem												
B. Coal mining													
6.	Long term–environmental monitoring of coal mining areas in north–east using imageries and GIS along temporal scale												

7.	Development of integrated technology involving locally available resources and microbial consortium for treatment of AMD in Assam and Meghalaya												
8.	Development of technologies for rehabilitation of mine effective areas												
9.	Monitoring ecosystem services as an indicator of recovery of ecosystem												
C. Identification of land-slide sensitive areas													
10.	Collection of data and development of GIS layer involving vegetation, rainfall, topographic features, drainage, geological features and soil types												
11.	Identification of land-slide prone areas based on above features												
D. Invasive Aliens species													
12.	Mapping of aliens plant invasion using geospatial technique and ecological nice modeling												
13.	Study the mechanism of invasion in a few selected notorious alien species												
14.	Development of strategies to control invasion based on observational and manipulative ecological experiment												